Gautam Panda

List of Publications by Year in descending order

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112 papers 2,981 citations

30 h-index 197818 49 g-index

144 all docs

144 docs citations

times ranked

144

2968 citing authors

#	Article	IF	CITATIONS
1	Synthetic methodologies of achiral diarylmethanols, diaryl and triarylmethanes (TRAMs) and medicinal properties of diaryl and triarylmethanes-an overview. RSC Advances, 2014, 4, 28317-28358.	3.6	224
2	Thiophene containing triarylmethanes as antitubercular agents. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 289-292.	2.2	191
3	Substituted phenanthrenes with basic amino side chains: A new series of anti-breast cancer agents. Bioorganic and Medicinal Chemistry, 2006, 14, 1497-1505.	3.0	100
4	Anti-cholinesterase hybrids as multi-target-directed ligands against Alzheimer's disease (1998–2018). Bioorganic and Medicinal Chemistry, 2019, 27, 895-930.	3.0	99
5	Solid-Phase Catalysis:Â A Biomimetic Approach toward Ligands on Dendritic Arms to Explore Recyclable Hydroformylation Reactions. Journal of the American Chemical Society, 2001, 123, 2889-2890.	13.7	91
6	Diversity-Oriented Synthetic Approach to Naturally Abundant S-Amino Acid Based Benzannulated Enantiomerically Pure Medium Ring Heterocyclic Scaffolds Employing Inter- and Intramolecular Mitsunobu Reactions. ACS Combinatorial Science, 2007, 9, 321-338.	3.3	71
7	Effect of substituents on diarylmethanes for antitubercular activity. European Journal of Medicinal Chemistry, 2007, 42, 410-419.	5.5	68
8	Amino acid chirons: a tool for asymmetric synthesis of heterocycles. Organic and Biomolecular Chemistry, 2014, 12, 6297-6339.	2.8	64
9	A new synthesis of corannulene. Tetrahedron Letters, 1997, 38, 2145-2148.	1.4	63
10	A convenient synthesis of chiral amino acid derived 3,4-dihydro-2H-benzo[b][1,4]thiazines and antibiotic levofloxacin. Tetrahedron Letters, 2009, 50, 4703-4705.	1.4	63
11	Amino acid based enantiomerically pure 3-substituted benzofused heterocycles: A new class of antithrombotic agents. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 244-247.	2.2	62
12	Diaryloxy methano phenanthrenes: a new class of antituberculosis agents. Bioorganic and Medicinal Chemistry, 2004, 12, 5269-5276.	3.0	59
13	Total Synthesis of (â^')â€Balanol, All Stereoisomers, Their <i>N</i> â€Tosyl Analogues, and Fully Protected Ophiocordin: An Easy Route to Hexahydroazepine Cores from Garner Aldehydes. Chemistry - A European Journal, 2008, 14, 4675-4688.	3.3	56
14	Antiplasmodial Activity of [(Aryl)arylsulfanylmethyl]Pyridine. Antimicrobial Agents and Chemotherapy, 2008, 52, 705-715.	3.2	51
15	Design, synthesis and antimalarial activity of benzene and isoquinoline sulfonamide derivatives. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 776-781.	2.2	50
16	Anti-tumor activity of a new series of benzoxazepine derivatives in breast cancer. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 283-287.	2.2	50
17	An easy access to unsymmetric trisubstituted methane derivatives (TRSMs). Tetrahedron Letters, 2005, 46, 3097-3102.	1.4	46
18	Amino acid-based enantiomerically pure 3-substituted 1,4-benzodiazepin-2-ones: A new class of anti-ischemic agents. Bioorganic and Medicinal Chemistry Letters, 2007, 17, 1326-1331.	2.2	45

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19	Scandium triflate-catalyzed one-pot domino approach towards general and efficient syntheses of unsymmetrical 9-substituted xanthene derivatives. Organic and Biomolecular Chemistry, 2010, 8, 1097.	2.8	45
20	An overview of synthetic approaches for heterocyclic steroids. Tetrahedron, 2013, 69, 2853-2884.	1.9	45
21	An approach towards the total synthesis of (+)-epiquinamide and (+)-α-conhydrine from Garner aldehyde. Tetrahedron, 2009, 65, 5322-5327.	1.9	44
22	CoMFA and CoMSIA 3D-QSAR analysis of diaryloxy-methano-phenanthrene derivatives as anti-tubercular agents. Journal of Molecular Modeling, 2007, 13, 99-109.	1.8	43
23	In vivo activity of thiophene-containing trisubstituted methanes against acute and persistent infection of non-tubercular Mycobacterium fortuitum in a murine infection model. Journal of Antimicrobial Chemotherapy, 2012, 67, 1188-1197.	3.0	41
24	Design, synthesis and antitubercular activity of diarylmethylnaphthol derivatives. Bioorganic and Medicinal Chemistry Letters, 2007, 17, 5586-5589.	2.2	37
25	A New Synthetic Route to Unsymmetrical 9â€Arylxanthenes. European Journal of Organic Chemistry, 2009, 4757-4761.	2.4	36
26	Aryl aryl methyl thio arenes prevent multidrug-resistant malaria in mouse by promoting oxidative stress in parasites. Free Radical Biology and Medicine, 2012, 53, 129-142.	2.9	35
27	Application of Nazarov cyclization to access [6-5-6] and [6-5-5]tricyclic core embedded new heterocycles: an easy entry to structures related to Taiwaniaquinoids. Organic and Biomolecular Chemistry, 2009, 7, 1858.	2.8	34
28	Synthesis of Substituted Sumanenes by Aromatic Electrophilic Substitution Reactions. Chemistry Letters, 2013, 42, 386-388.	1.3	34
29	A short synthesis of †bucky-bowl' C3-hemifullerene (triindenotriphenylene). Tetrahedron Letters, 1998, 39, 5835-5836.	1.4	31
30	I2-Mediated Diversity Oriented Diastereoselective Synthesis of Amino Acid Derived trans-2,5-Disubstituted Morpholines, Piperazines, and Thiomorpholines. ACS Combinatorial Science, 2012, 14, 1-4.	3.8	31
31	Thiophene containing trisubstituted methanes [TRSMs] as identified lead against Mycobacterium tuberculosis. European Journal of Medicinal Chemistry, 2015, 95, 357-368.	5.5	31
32	Regioselective Ringâ€Opening of Amino Acidâ€Derived Chiral Aziridines: an Easy Access to <i>cis</i> \$\displayset\$i\tag{0.189-197.}	3.3	30
33	Application of Nazarov type electrocyclization to access [6,5,6] and [6,5,5] core embedded new polycycles: an easy entry to tetrahydrofluorene scaffolds related to Taiwaniaquinoids and C-nor-D homosteroids. Organic and Biomolecular Chemistry, 2011, 9, 4782.	2.8	29
34	Overview on the Recent Strategies for the Enantioselective Synthesis of 1, 1â€Diarylalkanes, Triarylmethanes and Related Molecules Containing the Diarylmethine Stereocenter. ChemCatChem, 2018, 10, 1941-1967.	3.7	28
35	Synthesis and antitubercular activity of 2-hydroxy-aminoalkyl derivatives of diaryloxy methano phenanthrenes. Bioorganic and Medicinal Chemistry Letters, 2005, 15, 5222-5225.	2.2	27
36	Regioselective aminoethylation of 1,4-benzodiazepin-2-one under conventional heating and microwave irradiation. Tetrahedron Letters, 2006, 47, 3357-3360.	1.4	26

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37	A new route to 1,4-oxazepanes and 1,4-diazepanes from Garner aldehyde. Tetrahedron Letters, 2010, 51, 1483-1485.	1.4	26
38	Buckybowls: a simple, conceptually new synthesis of C2v-semibuckminsterfullerene (C30H12,) Tj ETQq0 0 0 rgBT	/Qyerlock	10 Tf 50 70
39	A Short Synthetic Approach to Chiral Serine Azido Derivatives. Synlett, 2004, 2004, 714-716.	1.8	25
40	A new example of a steroid–amino acid hybrid: construction of constrained nine memberedd-ring steroids. Organic and Biomolecular Chemistry, 2007, 5, 360-366.	2.8	25
41	î²-Hydroxy-î±-tosyloxy esters as chiral building blocks for the enantioselective synthesis of benzo-annulated oxa-heterocycles: scope and limitations. Tetrahedron, 2008, 64, 4162-4173.	1.9	25
42	Perspectives on Inhibiting βâ€Amyloid Aggregation through Structureâ€Based Drug Design. ChemMedChem, 2015, 10, 1467-1474.	3.2	25
43	Diversity oriented synthesis of chromene-xanthene hybrids as anti-breast cancer agents. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 778-782.	2.2	24
44	One pot synthesis of amino acid derived chiral disubstituted morpholines and 1,4-oxazepanes via tandem aziridine/epoxide ring opening sequences. Organic and Biomolecular Chemistry, 2011, 9, 7365.	2.8	23
45	An efficient entry to highly substituted chiral 2-oxopiperazines from α-amino acids via iodocyclization. Tetrahedron, 2012, 68, 10114-10121.	1.9	23
46	Asymmetric total syntheses of spisulosine, its diastereo- and regio-isomers. Tetrahedron, 2010, 66, 9304-9309.	1.9	21
47	Inter- and intramolecular Mitsunobu reaction and metal complexation study: synthesis of S-amino acids derived chiral 1,2,3,4-tetrahydroquinoxaline, benzo-annulated [9]-N3 peraza, [12]-N4 peraza-macrocycles. Organic and Biomolecular Chemistry, 2012, 10, 1553.	2.8	21
48	Stereoselective synthesis of Jaspine B and its C2 epimer from Garner aldehyde. RSC Advances, 2013, 3, 16795.	3.6	21
49	Synthetic approach towards trisubstituted methanes and a chiral tertiary α-hydroxyaldehyde, a possible intermediate for tetrasubstituted methanes. RSC Advances, 2013, 3, 12100.	3.6	21
50	[RuCl2(p-cymene)2]2 catalyzed cross dehydrogenative coupling (CDC) toward xanthone and fluorenone analogs through intramolecular C–H bond functionalization reaction. Tetrahedron Letters, 2014, 55, 5759-5763.	1.4	20
51	Specific targeting of insulin-like growth factor 1 receptor signaling in human estrogen dependent breast cancer cell by a novel tyrosine-based benzoxazepine derivative. Molecular and Cellular Endocrinology, 2011, 338, 68-78.	3.2	19
52	Amino acids derived benzoxazepines: Design, synthesis and antitumor activity. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 6816-6821.	2.2	19
53	Synthesis of polyhydroxylated indolizidines and piperidines from Garner's aldehyde: total synthesis of (â")-swainsonine, (+)-1,2-di-epi-swainsonine, (+)-8,8a-di-epi-castanospermine, pentahydroxy indolizidines, (â")-1-deoxynojirimycin, (â")-1-deoxy-altro-nojirimycin, and related diversity. Tetrahedron, 2014, 70, 1363-1374.	1.9	19
54	Asymmetric Assembly of Steroidal Tetracyclic Skeletons. European Journal of Organic Chemistry, 2014, 2014, 8004-8019.	2.4	19

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55	Benzhydryl Amines: Synthesis and Their Biological Perspective. ACS Omega, 2020, 5, 19-30.	3.5	19
56	Quest for steroidomimetics: Amino acids derived steroidal and nonsteroidal architectures. European Journal of Medicinal Chemistry, 2017, 133, 139-151.	5.5	18
57	A green synthesis of unsymmetrical triarylmethanes via indium (III) triflate catalyzed Friedel Crafts alkylation of o -hydroxy bisbenzylic alcohols under solvent free conditions. Tetrahedron Letters, 2018, 59, 89-93.	1.4	18
58	Base-Mediated 1,6-Aza-Michael Addition of Heterocyclic Amines and Amides to para-Quinone Methides Leading to Meclizine-, Hydroxyzine- and Cetirizine-like Architectures. Synthesis, 2019, 51, 4434-4442.	2.3	18
59	Enantioselective Synthesis of Functionalized 1â∈Benzoxepines by Phenoxide Ion Mediated 7â€xi>endoàâ€xi>tet Carbocyclization of Cyclic Sulfates. European Journal of Organic Chemistry, 2009, 2009. 204-207.	2.4	17
60	A dehydrative arylation and thiolation of tertiary alcohols catalyzed by in situ generated triflic acid - Viable protocol for C C and C S bond formation. Tetrahedron, 2018, 74, 6270-6277.	1.9	17
61	A new synthesis of amino acid-based enantiomerically pure substituted 2,3,4,4a,5,6-hexahydro-1H-pyrazino[1,2-a]quinoxalines. Organic and Biomolecular Chemistry, 2010, 8, 2823.	2.8	16
62	An efficient synthetic approach for N \hat{a} e"C bond formation from (S)-amino acids: an easy access to cis-2,5-disubstituted chiral piperazines. RSC Advances, 2013, 3, 18332.	3.6	16
63	α-Amino acids with electrically charged and polar uncharged side chains as chiral synthon: Application to the synthesis of bioactive alkaloids (1996-Dec, 2013). Tetrahedron, 2017, 73, 1911-2008.	1.9	15
64	Convenient phosphorus tribromide induced syntheses of substituted 1-arylmethylnaphthalenes from 1-tetralone derivatives. Tetrahedron Letters, 2005, 46, 5337-5341.	1.4	14
65	l-Proline derived nitrogenous steroidal systems: an asymmetric approach to 14-azasteroids. RSC Advances, 2013, 3, 19533.	3.6	14
66	Critical view on the recent enantioselective synthesis of alcohols, amines and related molecules having tertiary benzylic stereocenter. Tetrahedron, 2018, 74, 4619-4703.	1.9	14
67	Intramolecular 5-endo-trig aminopalladation of \hat{l}^2 -hydroxy- \hat{l}^3 -alkenylamine: efficient route to a pyrrolidine ring and its application for the synthesis of (\hat{a}^*)-8,8a-di-epi-swainsonine. RSC Advances, 2014, 4, 2161-2166.	3.6	13
68	A rapid entry to amino acid derived diverse 3,4-dihydropyrazines and dihydro[1,2,3]triazolo[1,5-a]pyrazines through 1,3-dipolar cycloaddition. Organic and Biomolecular Chemistry, 2014, 12, 3976-3985.	2.8	12
69	Efficient access to triarylmethanes through decarboxylation. RSC Advances, 2017, 7, 6966-6971.	3.6	12
70	A Comparative Synthetic Strategy Perspective on αâ€Amino Acid―and Nonâ€Amino Acidâ€Derived Synthons towards Total Syntheses of Selected Natural Macrolides. Chemistry - A European Journal, 2020, 26, 5131-5156.	3.3	12
71	Synthesis of 2-methoxy-3-(thiophen-2-ylmethyl)quinoline containing amino carbinols as antitubercular agents. Bioorganic Chemistry, 2020, 99, 103775.	4.1	12
72	Contiguous Generation of Quaternary and Tertiary Stereocenters: One-Pot Synthesis of Chroman-Fused <i>S</i> -Proline-Derived Chiral Oxazepinones. Synthetic Communications, 2013, 43, 253-259.	2.1	11

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73	Synthesis of enantiomerically enriched indolines and tetrahydroisoquinolines from (S)-amino acid-derived chiral carbocations: an easy access to (3S,4R)-demethoxy-3-isopropyl diclofensine. Organic and Biomolecular Chemistry, 2014, 12, 8318-8324.	2.8	11
74	Total synthesis of 3-epi-(+)-lycoricidine from Garner aldehyde via intramolecular aldol cyclization. Tetrahedron Letters, 2015, 56, 146-149.	1.4	11
75	Synthesis of Hydroxysumanene and Substituent Effect of Hydroxy Group on Bowl Inversion Dynamics and Electronic Structure. Journal of Organic Chemistry, 2016, 81, 11978-11981.	3.2	11
76	4-[10-(Methoxy-benzyl)-anthracen-9-yl]-phenol derivatives as new antitubercular agents. Arkivoc, 2005, 2005, 29-45.	0.5	11
77	Isomerization of allylic alcohols into saturated carbonyls using phosphorus tribromide. Tetrahedron Letters, 2006, 47, 1065-1070.	1.4	10
78	An unexpected reaction of phosphorous tribromide on chromanone, thiochromanone, 3,4-dihydro-2H-benzo[b]thiepin-5-one, 3,4-dihydro-2H-benzo[b]oxepin-5-one and tetralone derived allylic alcohols: a case study. Tetrahedron, 2008, 64, 9962-9976.	1.9	10
79	An efficient synthesis of 6H,7H-chromeno[4,3-b]chromenes and 6,7-dihydrothio chromeno[3,2-c]chromenes as 9-substituted xanthene like analogs. Tetrahedron Letters, 2011, 52, 5951-5955.	1.4	10
80	Targeting progesterone metabolism in breast cancer with I -proline derived new 14-azasteroids. Bioorganic and Medicinal Chemistry, 2017, 25, 4452-4463.	3.0	10
81	Synthesis, biological evaluation, StructureÂâ^'ÂActivity relationship studies of quinoline-imidazole derivatives as potent antimalarial agents. Bioorganic Chemistry, 2022, 121, 105671.	4.1	10
82	Reactivity <i>vs.</i> selectivity of quinone methides: synthesis of pharmaceutically important molecules, toxicity and biological applications. Chemical Communications, 2022, 58, 6160-6175.	4.1	9
83	Towards a synthesis of C3-tribenzohemifullerene, a C42H18 fragment of [60]fullerene. Journal of the Chemical Society Perkin Transactions 1, 1997, , 2269-2272.	0.9	8
84	A new strategy for the synthesis of aryl- and heteroaryl-substituted exocyclic olefins from allyl alcohols using PBr3. Tetrahedron Letters, 2005, 46, 8849-8852.	1.4	8
85	Indium triflate catalysed 3-aza-Cope rearrangement of amino acid derived $\hat{l}\pm,\hat{l}^2$ -unsaturated esters to alkylidene oxindoles. Organic and Biomolecular Chemistry, 2017, 15, 1762-1766.	2.8	8
86	New Spisulosine Derivative promotes robust autophagic response to cancer cells. European Journal of Medicinal Chemistry, 2020, 188, 112011.	5.5	8
87	Unprecedented formation of benzo[d][1,2,3,6]oxatriazocine derivatives via diazo-oxygen bond formation and synthesis of enantiomerically pure 1-alkyl benzotriazole derivatives. Tetrahedron Letters, 2011, 52, 3234-3236.	1.4	7
88	Microwave assisted [RuCl ₂ (p-cymene) ₂] ₂ catalyzed regioselective endo-tandem cyclization involving imine and alkyne activation: an approach to benzo[4,5]imidazo[2,1-a]pyridine scaffold. RSC Advances, 2014, 4, 21032-21041.	3.6	7
89	Tyrosine-Derived Novel Benzoxazine Active in a Rat Syngenic Mammary Tumor Model of Breast Cancer. Journal of Medicinal Chemistry, 2021, 64, 16293-16316.	6.4	7
90	Metal free highly efficient C–N bond formation through 1,6-addition: synthesis and photophysical studies of diaryl methyl amino acid esters (DMAAEs). New Journal of Chemistry, 2020, 44, 14859-14864.	2.8	6

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91	Preclinical pharmacokinetics, CYP phenotyping, and tissue distribution study of novel anti-breast cancer candidate S-011-1559. Xenobiotica, 2022, 52, 476-487.	1.1	6
92	Linearization of carbohydrate derived polycyclic frameworks. RSC Advances, 2014, 4, 31892-31903.	3.6	5
93	TFA-catalysed tandem double cyclisation: A one-pot, metal-free routes for novel indolo-imidazo[1,2-a]pyridine derivatives. Tetrahedron Letters, 2019, 60, 151317.	1.4	5
94	Magnesium chloride (MgCl2) catalyzed highly regioselective C-3 ring opening of 2,3 epoxy alcohols by N-nucleophile. Tetrahedron Letters, 2021, 70, 153013.	1.4	5
95	Design, synthesis and biological evaluation of new ionone derivatives as potential neuroprotective agents in cerebral ischemia. European Journal of Medicinal Chemistry, 2010, 45, 1964-1971.	5.5	4
96	Formal Total Synthesis of (–)â€Raphidecursinol B. European Journal of Organic Chemistry, 2010, 2010, 5100-5107.	2.4	4
97	A Trifluoroacetic Acid Catalyzed Domino Reaction as an Approach to Amino Acid Derived 2,3-Dihydro-1H-1,5-benzodiazepines. Synlett, 2014, 25, 939-944.	1.8	4
98	Versatile Synthesis of 4-Aryl Chroman and 1-Aryl Tetralins Through Metal-Free Reductive Arylations. European Journal of Organic Chemistry, 2019, 2019, 753-758.	2.4	4
99	Design, synthesis and biological evaluation of oxime lacking Psammaplin inspired chemical libraries as anti-cancer agents. Journal of Molecular Structure, 2021, 1225, 129173.	3.6	4
100	One pot synthesis of N-monoalkylated plinabulin derivatives via multicomponent protocol and their application as anticancer agents. Journal of Molecular Structure, 2021, 1229, 129830.	3.6	4
101	Unveiling p-quinone methide (QM) chemistry to synthesize bedaquiline (TMC 207) like architectures. Journal of Molecular Structure, 2021, 1239, 130493.	3.6	4
102	Novel candidates in the clinical development pipeline for TB drug development and their synthetic approaches. Chemical Biology and Drug Design, 2021, 98, 787-827.	3.2	4
103	Application of Phenolate Ion Mediated Intramolecular Epoxide Ring Opening in the Enantioselective Synthesis of Functionalized 2,3-Dihydrobenzofurans and 1-Benzopyrans¹. Synthesis, 2009, 2009, 1886-1896.	2.3	3
104	Stereoselective approach to aminocyclopentitols from Garner aldehydes. RSC Advances, 2013, 3, 9916.	3.6	3
105	A Tandem Semipinacol Rearrangement/Aldehyde Arylation or Alkylation of Trisubstituted 2,3-Epoxy Alcohols with Grignard Reagents for Functionalized 1,3-Diols. Journal of Organic Chemistry, 2022, 87, 7696-7711.	3.2	3
106	Total synthesis of selected bioactive alkaloids, their structureâ€"function relationships and molecular target interactions: A comparative synthetic analysis of tryptophan originated chiral pool approaches vs other synthons. Results in Chemistry, 2021, 3, 100215.	2.0	2
107	An Easy Access to Unsymmetric Trisubstituted Methane Derivatives (TRSMs) ChemInform, 2005, 36, no.	0.0	1
108	A Convenient Two-Step Synthesis of Amino Acid Derived Chiral 3-Substituted [1,4]Benzodiazepin-2-ones ChemInform, 2005, 36, no.	0.0	1

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109	Use of Nonâ€Aromatic Hydrophobic αâ€Amino Acids (αâ€AA) and Nonâ€Amino Acid Derived Synthons: Compara Studies Towards Total Syntheses of Selected Bioactive Natural Alkaloids. ChemistrySelect, 2022, 7, .	itjve 1.5	1
110	Convenient Phosphorus Tribromide Induced Syntheses of Substituted 1-Arylmethylnaphthalenes from 1-Tetralone Derivatives ChemInform, 2005, 36, no.	0.0	0
111	Frontispiece: A Comparative Synthetic Strategy Perspective on αâ€Amino Acid―and Nonâ€Amino Acidâ€Derived Synthons towards Total Syntheses of Selected Natural Macrolides. Chemistry - A European Journal, 2020, 26, .	3.3	0
112	Discovery and Biological Evaluation of Novel Diarylmethyl Amines Active against Drug Resistant <i>S. aureus</i> and <i>Enterococcus</i> . ChemistrySelect, 2022, 7, .	1.5	0